

L 34475-65

ACCESSION NR: AP5005315

$1/\tau = AT + B \exp(\Delta/KT)$, where the constants A, B, and Δ vary with the type of ion, the concentration, and the other temperatures. The concentration dependence of the relaxation time can be represented by the expression $1/\tau_1 = 70 x^n$, where x is the impurity concentration in molar percent and $n = 1.5 \pm 0.3$. This agrees with the relaxation mechanism corresponding to phonon scattering by the lattice defects. "The authors thank Professor P. P. Feofilov and A. A. Mak for supplying the samples." Orig. art. has: 1 figure and 4 formulas. [02]

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tiflis State University)

SUBMITTED: 05 Aug 64

ENCL: 00

SUB CODE: SS, NP

NO REF SCV: 002

OTHER: 003

ATD PRESS: 3213

Cord 2/2

L 34945-65 EWT(1)/EWT(m)/EWP(e)/EPF(c)/EPR/EEG(t)/EWP(t)/EWP(b) Pr-l/Pa-l/Pe-
IJP(c) WH/JD/JW

ACCESSION NR: AP5006489

S/0056/65/048/002/0437/0441

AUTHOR: Berulava, B. G.; Sanadza, T. I.; Khakhamashvili, O. G.

TITLE: Fluorine hyperfine structure of the EPR spectra of U^{3+} and Tb^{3+} ions in CaF_2

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 2, 1965,
437-441

TOPIC TAGS: fluorine ion, hyperfine structure, EPR spectrum, uranium ion, terbium
ion, fluorite, paramagnetic crystal, paramagnetic ion, CaF_2 , SrF_2 , BaF_2

ABSTRACT: The complicated hyperfine structure of U^{3+} ions in CaF_2 , SrF_2 , and BaF_2 , and also of Tb^{3+} in CaF_2 , previously observed by the authors and by others, is analyzed. It is shown first that interaction with the nearest neighboring F^- ions, the number of which is nine, cannot account for the observed number of hyperfine structure components (20 or 12), since no grouping of the hyperfine interactions for these ions, with allowance for the tetragonal symmetry of the surrounding, can lead to such a structure. Distortion of the structure around the impurity center and the appearance of a weak rhombic component of the field inside the crystal is likewise shown to be incapable of explaining the structure. It is therefore concluded that the number of F^- ions interacting with the U^{3+} ions includes not only the nine nearest neighbors but those from the second coordination sphere. It is further shown that

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ACCESSION NR: AP5006489

the paramagnetic ion interacts with 13 F^- ions, covering partially and asymmetrically the second coordination sphere, namely four ions around the symmetry axis on the side of the additional ion. These 13 ions break up into two subgroups with identical hyperfine structure constants, 8 of which form a cube around the U^{3+} and 5 located on the side of the additional F^- ion. In this case the number of hyperfine structure components is 22 and the intensities are in agreement with the observations. For the other orientation the number is 14. This agrees with the observed 20 and 12 hyperfine structure lines observed on an oscilloscope for U^{3+} in CaF_2 . In the case of Tb^{3+} , the observed number of hyperfine structure lines (10) and the binomial distribution of the intensity show that the paramagnetic ion interacts with 9 ions of the first coordination sphere, and the interaction has the same asymmetrical character as for U^{3+} . The distances between the components are given for both ions. The presence of an appreciable chemical bond between the 4f electron and the surroundings in the case of Tb^{3+} can apparently be attributed to the fact that the 4f shell of Tb^{3+} has 8 electrons, with 7 electrons filling half the shell. "The authors thank Professor P. P. Feofilov for supplying the samples, and Professor G. R. Khutsishvili and L. L. Byishvili for valuable discussions." Orig. art. has: 4 figures and 1 table.

[02]

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tbilisi State University)

Card 2/3

L 34945-65

ACCESSION NR: AP5006489

SUBMITTED: 02Aug64

ENCL: 00

SUB CODE: SS, NP

NO REF SOV: 001

OTHER: 005

ATD PRESS: 3211

Card 3/3

L 08361-67 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6028136

SOURCE CODE: UR/0058/66/000/005/DO81/DO81

AUTHOR: Berulava, B. G.; Sanadze, T. I.

30

TITLE: Paramagnetic resonance of erbium nitrate

SOURCE: Ref. zh. Fizika, Abs. 5D637

REF. SOURCE: Tr. Tbilissk. un-ta, v. 103, 1965, 183-185

TOPIC TAGS: epr spectrum, erbium compound, nitrate, hyperfine structure

ABSTRACT: The authors investigated the EPR spectrum of erbium nitrate $\text{Er}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$ diamagnetically diluted with lanthanum (1:100). The measurements were made at 4.2°K at a frequency 9370 Mc. The following values of the g-factors were obtained: $g_x = 10.13 \pm 0.02$, $g_y = 6.17 \pm 0.02$, and $g_z = 1.95 \pm 0.02$. The hyperfine splitting was investigated accurate to third-order perturbation theory. N. Kask. [Translation of abstract]

SUB CODE: 20

Card 1/1 ast

12

Nutritive value of *Sotaria italica*. 1. T. Begulaya...
Gigiena i Sanit. 1990, No. 4, 42-3. — The plant grain com-
pares favorably with corn. Protein content is 9.94-
10.80%, fats 2.64-3.84%, non-N substances 73.4%,
including starch 52.77-53.46%, cellulose 1.2-1.8%, ash
1.8%, P 0.22%, Ca 0.048%, nicotinic acid 1.5-1.65 mg.
%. No carotene was detected. G. M. Kosolapoff

YEFREMOV, V.V.; BERULOVA, I.T.

Liquidation of pellagra in Georgia. Vop.pit. 15 no.5:26-31 S-0 '56.

(MIRA 9:11)

1. Iz laboratorii izucheniya vitaminov (zav. - prof. V.V.Yefremov)
Instituta pitaniya AMN SSSR i kafedry obshchey gigiyeny (zav. -
prof. G.M.Natadze) Tbilisskogo meditsinskogo instituta.
(PELLAGRA, prevention and control,
in Russia (Rus))

BERULAVA, I.T.

USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae. R-1

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21575.

Author : Berulava

Inst : Georgian Scientific Research Institute of Animal Husbandry and Veterinary Sciences.

Title : Types of Foot-and-Mouth Disease Viruses and Infection Forms.

Orig Pub: Byul. nauchno-tekhn. inform. Gruz. n.-i. in-ta zhivotnovodstva i vet., 1957, No 2, 38-42.

Abstract: No abstract.

Card : 1/1

17
BENDELAVA, I. T., YAKOVLEV, Y. Y.

"Control of cases of pellagra morbidity in the Georgian SSR."

Report submitted at the 15th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1958.

BERULAVA, O.I.

Experimental plastic surgery on the bladder using a segment from the sigmoid flexure. Eksper. khir. i anest. 9 no.5:53-54 S-0 '64. (MIRA 18:11)

1. Khirurgicheskoye otdeleniye (zav. - kand.med.nauk G.N. Nadareyshvili) Respublikanskoy bol'nitsy imeni A.A.Ostroumova (glavnyy vrach - V.B.Katsiya) Ministerstva zdravookhraneniya Abkhazskoy ASSR.

BERULAVA, R.G.

High-speed adding device with independent transfer using
dynamic elements. Trudy Vych. tsentra AN Gruz. SSR 6:1 :
59-72 '65.

High-speed blocking oscillator with regulated frequency.
Ibid.:73-84 (MIRA 19:1)

L 48965-65 EWT(1)/EWA(h) Feb 66

ACCESSION NR: AP5011913

UR/0103/65/026/004/0712/0720

AUTHOR: Berulava, R. G. (Moscow)

TITLE: A reliable, transistorized, high-frequency dynamic trigger 25

SOURCE: Avtomatika i telemekhanika, v. 26, no. 4, 1965, 712-720

TOPIC TAGS: transistorized dynamic trigger, high frequency dynamic trigger, electronic trigger reliability

ABSTRACT: The existing transistorized, single-triode, dynamic triggers have a low operation frequency of the order of 1 Mc (F. V. Mayorov, Elektronnyye tsifrovyye integriruyushchiye mashiny, Mashgiz, 1963; I. Krajewski, Electronic Eng-ng, v. 31, no. 377, 1959). In view of the lack of theoretical and experimental studies of semiconductor, single-triode, dynamic triggers, the present author attempted, starting from the reliability condition of trigger states, to clarify the design and calculation of the basic circuit parameters, to increase the frequency of the trigger, and to carry out pertinent experimental investigations. The author describes the order in which she designed a new semiconductor dynamic trigger operating within the 3.5 - 6.3 Mc frequency range. The circuit diagram is shown in Figure 1 of the Enclosure. She discusses its qualitative characteristics in detail together with calculated and experimental data concerning the

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L 48965-65

ACCESSION NR: AP5011913

reliability of the states of the trigger. "The author thanks Corr. member of the AN SSSR B. S. Sotskov for his valuable remarks and advice." Orig. art. has 18 formulas and 4 figures.

ASSOCIATION: None

SUBMITTED: 14Apr64

ENCL: 01

SUB CODE: EC, IE

NO REF SOV: 007

OTHER: 003

Card

2/3

L 48965-65

ACCESSION NR: AF5011913

ENCL: 01

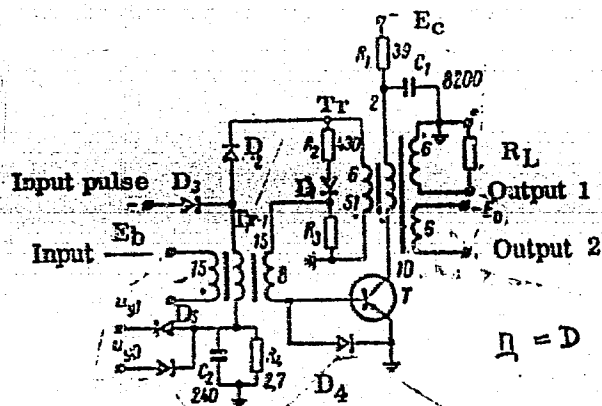


Fig. 1. Circuit diagram of the dynamic trigger.

Card

3/3

PA 193T76

USSR/Medicine - Resistant Bacteria Dec 51

"Modifiability of Bacteria," S. I. Berulava, Cand Biol Sci, Georgian Sci Res Vet Inst

"Veterinariya" Vol XXVIII, No 12, pp 8-12

Exposure of bacteria to high temp (100-127°), high pressures, disinfectants does not kill them, but transforms them into stable modifications which lack the original toxicity, antigenic properties, and virulence, and which also cannot be bred on the usual media. This was demonstrated on pasteurine, salmonellae, and anthrax. Repeated passages of the cultures thus modified by

LC 193T76

USSR/Medicine - Resistant Bacteria Dec 51
(Contd)

breeding them in vivo and in vitro restores the original properties, but not in all cases. Various morphological modifications and cyst, virus-like forms were obtained. Past. avicida, Past. bovis, B. gartneri, B. pullorum and Bac. anthracis were transformed into filterable modifications. From these modifications, bacterial forms were again obtained.

Trans. in Vet SR1

LC 193T76

BERULAVA, S. I.

BERULAVA, Severian Ignat'yevich [Berulava, S.M.], kand.biolog.nauk;
SHAMARAVA, V., dotsent, red.

[Foot-and-mouth disease and its control] [IAshchur i bor'ba s
nim. Tbilisi, Izd.Cb-va po rasprostraneniui polit. i nauchn.
znaniu Gruzinskoi SSR], 1958. 29 p. In Georgian. (MIRA 13:3)
(Foot-and-mouth disease)

Beus, K. A.

Beus, K. A. On asymptotic solution of linear differential equations with periodic coefficients. Dopovidi Akad.

Nauk Ukrain, RSR 1955, 415-418. (Ukrainian. Russian summary)

Let $\frac{dx}{dt} + [A + \psi(\omega t)]x = 0$ be an equation in vector-matrix form, where x is an n -dimensional vector, A is a constant symmetric matrix, ω is a large parameter, and $\psi(\omega t)$ a periodic matrix. The author gives formal solutions of this equation as a power series in $\varepsilon = \omega^{-1}$. S. Kulik.

1 - F/W

3000

BERVAL'D, E.A.

"Features of the Biology of the Spawning of the Principal Commercial
Fish of the Aral Sea,"
Zool. Zhur., 28, No 4, 1949

BERVAL'D, E.A.

Biology of the reproduction of basic commercial fishes of the Aral
Sea. Mat. k pozn. fauny i flory SSSR. Otd. zool. no.19:83-111 '50.
(Aral Sea--Fishes) (MIRA 11:3)

BERVAL'D, Ye. A.

"Propagation of the Basic Commercial Fish of the Aral and the Biological
Bases for Increasing the Effectiveness of Their Reproduction." Cand Biol Sci,
Moscow State U, Moscow, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)
SC: Sum. No. 556, 24 Jun 55

BERVAL'D, E.A.

Effect of fishery on the productivity of bream schools in the Aral
Sea. Vop. ikht. no. 7:21-32 '56. (MLRA 10:3)
(Aral Sea--Bream)

HERVAL'D, E.A., kandidat biologicheskikh nauk (Aral'sk)

Accumulation of organic matter in the bays of the Aral Sea.
Priroda 45 no.2:95-96 F '56. (MLBA 9:5)
(Aral Sea--Marine fauna) (Aral Sea--Marine flora)

BERVAL'D, E.A.

Materials on the establishment of the optimum length and weight
of commercial fishes. Vop. ikht. 1 no. 4: 681-689 '61.
(MIRA 14:12)

1. Nauchno-issledovatel'skiy biologicheskiy institut Rostovskogo
na-Donu gosudarstvennogo universiteta.
(Aral Sea--Bream)

BERVAL'D, E.A.

Methods of establishing the optimum size and weight of commercial fishes corresponding to the ecologic conditions of the bodies of water. Vop. ekol. 4:88-89 '62. (MIRA 15:11)

1. Botanicheskiy sad Biologicheskogo instituta, Rostov-na-Donu.
(Fisheries--Research)

TITOVA, K. N.; BERVAL'D, E. A.

Regulation of roach (*Rutilus rutilus heckeli* Nordm) fisheries
in Proletarskaya Reservoir. Vop. ikht. 2 no. 3:428-432 '62.
(MIRA 15:10)

1. Nauchno-issledovatel'skiy biologicheskiy institut Rostovskogo-
na Donu gosudarstvennogo universiteta.

(Proletarskaya Reservoir—Roach(Fish))

BERVAL'D, E.A.

Use of bioabsorbers and biofilters for purifying water.
Gidrokhim.mat. 36:158-160 '64.

(MIRA 18:11)

1. Submitted November 10, 1961.

BERVAR, Marijan, Major dr.

Supraspinatus syndrome. Voj. san. pregl., Beogr. 12 no.
11-12:647-652 Nov-Dec 55.

1. Hirurško odeljenje Vojne bolnice u Ljubljani.
(SHOULDER, dis.
supraspinatus synd. (Ser))

BERVAR, Marijan

Most common errors in the treatment of suppurations of the distal phalanx of fingers. Voj. san. pregl., Beogr. 14 no.4: 208-214 Apr 57.

1. Hirurško odeljenje Vojne bolnice u Ljubljani.
(FINGERS, dis.

suppurative of distal phalanx, ther., common errors
(Ser))

BoWen, Marijan

reduction of ankle injuries in armed forces personnel. Voj. san.
zvezd., beogr. 14 no.6:354-355 June 57.

1. Vojna bolnica u Ljubljani.
(ARMED FORCES PERSONNEL, dis.
ankle inj., prev. (Ser))
(ANKLE, wds. & Inj.
in armed forces personnel, prev. (Ser))

BERVAR, Marjan, sanitetski potpukovnik, dr.

Epithelial (pilonidal) sinus of the intergluteal fissure. Voj.san.
pregl. 18 no.5:470-476 My '61.

1. Vojna bolnica u Ljubljani, Hirursko odeljenje.

(PILONIDAL CYST case reports)

BERVAR, Marijan, sanitetski potpukovnik dr; MIHAILOVIC, Dragoljub, sanitetski potpukovnik dr; JABLANOV, Jovan, sanitetski kapetan I kl. dr

How may the consequences of an accidental intra-arterial injection of barbiturate be alleviated? Vojnosanit. pregl. 19 no.9:603-607 S '62.

1. Vojnomedicinska Akademija u Beogradu, Klinika za hirurske bolesti.
(BARBITURATE TOXICOLOGY) (GANGRENE)

JUZNIC, M., sanitetski pukovnik dr.; BERVAN, M., sanitetski potpukovnik dr.

Multiple injuries of the ascending colon following several
stabwounds of the abdomen. Vojnosanit Pregl. 19 no.11:719-
722 N '63. "

BERVIL, Marijan, sanitetaki pukovnik dr.

Posterior diaphysotomy--a contribution to the surgical treatment of chronic osteomyelitis of the tibia. Vojnosanit Pregl. 21 no.2:93-97 F '64.

1. Vojnomedicinska akademija u Beogradu, klinika za hirurske bolesti.

BERVAR, Marjan, sanitetski pukovnik, dr.; JANKULOSKI, Antonije, sanitetski
major, dr.; ATANASIJEVIC, Todor, sanitetski kapetan I klase;
JEFTIC, Slavko, sanitetski kapetan I klase.

A mobile surgical team of the Military Medical Academy in the
Skoplje disaster. Vojnosanit. pregl. 21 no.7:507-509 J1-Ag '64

BERVAR, Marjan, sanitetski pukovnik, dr.

Survey of the organization of the American hospital in the
Skopje disaster. Vojnosanit. pregl. 21 no.7:510-513
Jl-Ag '61

BERVAR, Marijan, sanitetski pukovnik, dr.; MILANOVIC, Dimitrije, sanitetski
pukovnik, prof. dr.

Perforation of the gallbladder complicated by severe intra-ab-
dominal hemorrhage. Vojnosanit. pregl. 21 no.9:569-570 S '64

1. Vojnomedicinska akademija u Beogradu, Klinika za hirurske
bolesti.

KICIC, M., profesor, dr.; PAPO, I. profesor, dr.; ANTIC, M., docent, dr.;
BERVAR, M., dr.; MICIC, R., dr.; JANJIC, M., dr.; PALMAR, I., dr.

Current problems in the treatment of hyperthyroidism. Vojno-
sanit. pregl. 21 no.10:609-613 0 '64

BERVAR, Marjan, sanitetski pukovnik, dr.; SUDAROV, Zivojin, sanitetski
pukovnik, docent, dr.; ZAJIC, Zivorad, sanitetski potpukovnik,
dr.

Organization of the collection of mass casualties during first
critical hours after a disaster. Vojnosanit. pregl. 21 no.11:
695-702 N '64

BERVAR, Marjan, sanitetski pukovnik, dr.

Military physician facing the problem of acute appendicitis.
Vojnosanit. pregl. 22 no.1:33-35 Ja'65.

1. Vojnosanitetska akademija u Beogradu, Klinika za hirurske
bolesti.

BERVAR, Marijan, sanitetski pukovnik, dr.; DUKNIC, Mihailo sanit. potpukovnik, dr.

Transanal combined injury to the rectum and urinary bladder.
Vojnosanit. pregl. 22 no.3:183-185 Mr'65.

1. Klinika za hirurske bolesti, Vojnomedicinska akademija u
Beogradu.

BERVAR, Marjan, sanitetski pukovnik, dr.

"Ungula incarnatus" at a military medical station. Vojnosanit.
pregl. 22 no.4:248-251 Apr 65.

1. Klinika za hirurske bolesti, Vojnomedicinska akademija u
Beogradu.

BERVAR, Marjan

Postoperative deniscence of abdominal wounds in its prevention.
Vojnosanit. pregl. 22 no.7/8:450-453 J1-Ag '65.

1. Vojnomedicinska akademija u Beogradu, Klinika za hirurske
bolesti.

BERVAR, Marijan, sanitetski pukovnik docent dr.

On hernia in soldiers. Vojnosanit. pregl. 22 no.11:704-708
N '65.

1. Vojnomedicinska akademija u Beogradu; Klinika za hirurske
bolesti.

BERVAR, Marijan, sanitetski pukovnik docent dr.

Surgical infections of the hand in a military dispensary.
Vojnosanit. pregl. 22 no.12:775-778 D '65.

1. Vojnomedicinska akademija u Beogradu, Klinika za hirurske
bolesti.

BERVAR, Marijan, sanitetski pukovnik docent dr.; JUZNIC, Marijan, sanitetski pukovnik dr.; BOJANIC, Nikola, sanitetski potpukovnik dr.; MITROVIC, Dragoslav, sanitetski kapetan dr.

Current treatment of acute pancreatitis. Vojnosanit. pregl. 23 no.1: 29-33 Ja '66.

1. Vojnomedicinska akademija u Beogradu; Klinika za hirurske bolesti.

BERVIL'FEROVSKIY, Vasil'y Vasil'yevich [deceased]; PODOROV, G.;
SPERANSKAYA, L., red.; SMIRNOV, G., tekhn.red.

[Selected economic works in two volumes] Izbrannye ekonomicheskie
proizvedeniia v dvukh tomakh. Vol.1. Moskva, Izd-vo sotsial'no-
ekon.lit-ry. 1958. 617 p. (MIRA 12:4)
(Labor and laboring classes)

JAGOS, Miloslav; BERVID, Antonin;

Surface alloying of pig iron castings by sulphur. Slevarenstvi
10 no.2:66-68 F '62

1. Vysoke uceni technicke Brno, katedra slevarenstvi.

BERULOVA, B.G.; SANADZE, T.I.; KHAKHANASHVILI, O.G.

Fluorine hyperfine structure of paramagnetic resonance spectra
of U^{3+} and Th^{3+} ions in CaF_2 . Zhur. eksp. i teor. fiz. 48
no.2:437-441 F '65. (MIRA 18:11)

1. Tbilisskiy gosudarstvennyy universitet.

BERWAL'D, E. A. Doc Biol Sci ~~as~~ "Biological principles of ^{an efficient} ~~national~~ fish
industry of the Aral Sea." Mos, 1961. (Mos Order of Lenin and Order of Labor
Red Banner State Univ im M. V. Lomonosov). (KL, 4-61, 191)

BERY, Gyorgy

Heating of school buildings. Epuletgepeszet 8 no.2:56-62
'59.

2166 Bervagin, K.G. and Baranov, A.A.

Kak Kolkhoz "Krasnyy Truzuenik" Avansiruet Kolkhoznikov. 2-E IZD. Ivanovo, KN. IZD., 1954. 12s. 14 sm. (Glav. UPR' S.-Kh. Propagandy I Nauki M-Va Sel'skogo Khozyaystva RSFSR. Upr. S.-Kh. Propagandy Ivan. Obl. Upr. Sel'skogo Khozyaystva. B-chka Kolkhoznika) 5.000EKZ. Bespl. - NA obl. Avt. Ne Ukazany (54-55859) 338.lk: 331.2(47.361)

BERYAGIN, K. G.

5729. BERYAGIN, K. G. Zhivotnovodstvo Kolkhoza (Krasnyy Truzhenik) (Ivan. Rayon. Lit. Zapis' Z. A. Khrenovoy) Ivanovo, Kn. izd., 1954 28s. 20sm. (Uchastniki Vsesoyuz. s.-kh Vystavki) 5,000 kz. 25k. (55-1573)p. 636.083st(47.361)

SO: Knizhnaya, Letopis, 'ol. 1. 1955

BERYUSHEV, K. G.

37507 Beryushev, K. G. Sanitarno-gigiyenicheskaya otsenka praktiki proyektirovaniya vosstanavlivayemykh gorodov. V SB: XII vsesoyuz. S" yezd gigiyenistov, epidemiologov, Mikrobiologov i infektionistov. T. I. M., 1949, S. 57-59
BORISOVA, V. F. Vitamin C v Kul'turnykh Yagodakh Gorno-Altayskaya-Sm. 37421

SO: "etopis" Zhurnal'nykh Statey Vol. 37, 1949

LETAVET, A.A.; RYAZANOV, V.A.; KHOISYANOV, L.K.; MOROZOV, A.L.; MARTSINKOVSKIY, B.I.; MITEREV, G.A.; IVANOV, V.A.; IZRAEL'SON, Z.I.; ORLOV, N.I.; CHERKINSKIY, S.N.; BERYUSHOV, K.G.; KIBAL'CHICH, I.A.; TARASENKO, N.Yu.; DRAGICHINA, Ye.A.; VORONTSOVA, Ye.I.; SANINA, Yu.P.; KREMNEVA, S.N.; KULAGINA, N.K.; SHAFRANOVA, A.S.; TIKHAYA, M.G.; MOLOKANOV, K.P.; RAZUMOV, N.P.; KURLYANDSKAYA, E.B.; KHALIZOVA, O.D.

In memory of Professor N.S.Pravdin. Gig.1 san. no.4:61 Ap '54.

(MLRA 7:4)

(Pravdin, Nikolai Sergeevich,)

BERYUSHEV, K. G.

AID P - 2168

Subject : USSR/Medicine

Card 1/2 Pub. 37 - 10/22

Authors : Belostotskaya, Ye. M., Beryushev, K. G., Kands. of Med. Sci., Orlov, N. I., Dr. of Med. Sci., Pongauz, M. I., Kand. of Med. Sci., and Cherkinskiy, S. N., Doc. of Med. Sci.

Title : From the practical work of the Scientific Research Sanitary Institute im. Erisman in the introduction of physiological methods in investigations of hygiene

Periodical : Gig. i san., 4, 40-43, Ap 1955

Abstract : The purpose of this article is to explain the work of the Institute in the light of I. P. Pavlov's theories and his analytical approach to observed phenomena. The reactions of the organism are studied in relation to the changes in its environment, climatic, atmospheric, industrial conditions, etc. The article is illustrated by many examples, observations of human beings and tests performed on animals. 10 Russian references (1951-1954).

Gig. 1 san., 4, 40-43, Ap 1955

AID P - 2168

Card 2/2 Pub. 37 - 10/22

Institution : Scientific Research Sanitary Institute im. Erisman

Submitted : My 10, 1954

BERYUSHV, K.G., dotsent; TULYAKOVA, L.P., nauchnyy sotrudnik

The effect of microclimatic conditions in steppes and forest-and-steppe sections of the left bank of the Volga of Kuibyshev Province on physiological reactions in man. Gig. i san. 21 no.11:8-15 K '56.
(MIRA 10:2)

1. Iz Nauchno-issledovatel'skogo sanitarnogo instituta imeni Krimana.

(CLIMATE, eff.

microclimate of steppes & of forest-&-steppe regions on left bank of Volga, eff. on physiol.)

ACC NR: AP7002956 (A,N) SOURCE CODE: UR/0413/66/000/024/0005/0005

INVENTOR: Akhiyezer, A. I.; Peletminskiy, S. V.; Ber'yakhtar, V. G.

ORG: none

TITLE: Certificate of discovery. Class 00, No. 46

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 5

TOPIC TAGS: supersonic wave, magnetic wave, magnetoacoustic resonance, ferromagnetic material, antiferromagnetic material

ABSTRACT:

This Certificate registers the discovery of an interaction between supersonic and magnetic (spin frequency) waves in ferro-, ferri-, and antiferromagnetic materials, which are especially strongly exhibited as the excitation of magnetic waves by supersonic waves and supersonic waves by magnetic waves when the frequencies of their vibration coincide (magneto-acoustic resonance). [TD]

SUB CODE: 20/ SUBM DATE: 08Jan65/ ATD PRESS: 5115

Card 1/1 UDC: none

BERYASHEV, K.

"Sanitary protection of the atmosphere against pollution" by
N.M.Tomson [professor]. Reviewed by K.Beriushev. Biul.Uch.
med. sov. 2 no.3:44-45 My-Je '61. (MIRA 14:10)
(AIR—POLLUTION) (TOMSON, N.M.)

BERYEZKIN, V. G.

PHASE I BOOK EXPLOITATION

SOV/6177

Akademiya nauk SSSR. Institut neftekhimicheskogo sinteza

Radioliz uglevodorodov; nekotoryye fiziko-khimicheskiye problemy
(Radiolysis of Hydrocarbons; Some Physicochemical Problems)
Moscow, Izd-vo AN SSSR, 1962. 207 p. Errata slip inserted.
5000 copies printed.

Resp. Eds.: A. V. Topchiyev, Academician, and L. S. Polak,
Doctor of Physics and Mathematics; Ed.: L. T. Bugayenko;
Tech Ed.: Ch. A. Zentsel'skaya.

PURPOSE: This book is intended for physical and industrial chemists
interested in the properties and behavior of irradiated hydro-
carbons.

COVERAGE: The book gives a systematic presentation of the results
of research on the radiolysis of hydrocarbons carried out from
1957 through 1961 at the Laboratory of Radiation Chemistry,
Institut neftekhimicheskogo sinteza AN SSSR (Institute of Petro-

Card 1/4

Radiolysis of Hydrocarbons (Cont.)

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chemical Synthesis, Academy of Sciences USSR). Although the results were obtained for individual compounds, they may be generalized and applied to other members of the same homologous series. The following persons participated in making the experiments and in writing the text: V. G. Beryezkin, V. E. Glushnev, Yu. A. Kolbanovskiy, I. M. Kustanovich, V. D. Popov, A. Ya. Temkin, V. D. Timofeyev, N. Ya. Chernyak, V. A. Shakh-ray, E. B. Shlikhter, A. S. Shcherbakova, B. M. Negodov, A. Z. Peryshkina, N. M. Rytova, T. A. Tegin, Yu. B. Emin, A. M. Brodskiy, V. V. Voyevodskiy, P. Ya. Glazunov, B. A. Smirnova, and Yu. L. Khaik. References, mainly Soviet and English, follow individual chapters.

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Ch. I. Physicochemical Characteristics of Hydrocarbon Radiolysis	5
Card 2/4	

Radiolysis of Hydrocarbons (Cont.)

SOV/6177

Ch. VII. Radiation-Thermal Cracking of Hydrocarbons

185

AVAILABLE: Library of Congress

SUBJECT: Oil and Gas Industries

Card 4/4

BN/clb/tem
1-18-63

BERYZOVSKIY, V.M.

USSR/Organic Chemistry. Natural Compounds and their
Synthetic Analogues.

E-3

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19292

Author : Boryozovskiy V. M., Rodionova Yo. P.

Inst : ~~USSR Academy of Sciences~~

Title : Conversion and Synthesis of Carbohydrides. XIV. Spherical
Difficulties at the Azooconfiguration of Arylglucamino.

Orig Pub: Zh. obshch. khimiyi, 1956, 26, No 3, 745-750

Abstract: The observation of the decreasing power of N-(3,4,5-trimethylphenyl)-glucamines (I) to azo combination is explained by the steric difficulties provoked by the ortho-position of the CH₃ group in relation to the azo-group. Stereoisomeric azo-dyes (A) are obtained by means of condensation (heating in 30 cc anhydr. alcohol 30-40 minutes) of 1.8 g (CH₃)₃CO₆H₂NH₂ and 2 g. corresp. pentose (D-ribose, D-arabinose, D-xylose, D-lyxose) in N-(3,4,5-

Card : 1/2

BERLIAND, A.S., dotsent

"Problems in the organization of medical care for industrial workers" by M.I. Gavrilov. Reviewed by A.S. Berliand. Sov. zdrav. 19 no 7:85-86 '60. (MIRA 13:8)
(MEDICINE, INDUSTRIAL) (GAVRILOV, M.I.)

BERYLAND, S. S.

Continuous conveying without manual labor. Izobr. 1 rats. no. 11:7-9
N '61. (MIRA 14:11)

1. Zamestitel' glavnogo inzhenera instituta "Promtransproyekt".
(Conveying machinery)

S/169/61/000/012/056/089
D228/D305

AUTHOR: Beryland, T. G.

TITLE: World distribution of solar radiation

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1961,
23-24, abstract 12B155 (V sb. Teplovoy i vodn.
rezhim zemn. poverkhnosti. L., Gidrometeoiz-
dat, 1960, 14-22)

TEXT: Material on summary solar radiation and its components is analyzed. A brief review is given for the state of the question of the world actinometric network and the degree of generalization of observational data. The patterns in the yearly distribution of the magnitude of the summary radiation of different latitudinal zones of the northern and southern hemispheres are studied; the role of direct and scattered radiation in the general inflow of heat from the sun is clarified. The variability of the yearly magnitudes of summary radiation is



Card 1/2

World distribution of...

S/169/61/000/012/056/089
D228/D305

considered for different climatic environments. Graphs are adduced for the change in the summary and scattered radiation in relation to the latitude, and the latitudinal variation of the mean-yearly correlation of scattered and summary radiation is also shown. Distribution patterns are studied for the hourly values of summary radiation during the day in the transpolar and equatorial regions. 38 references. [Abstracter's note: Complete translation.]

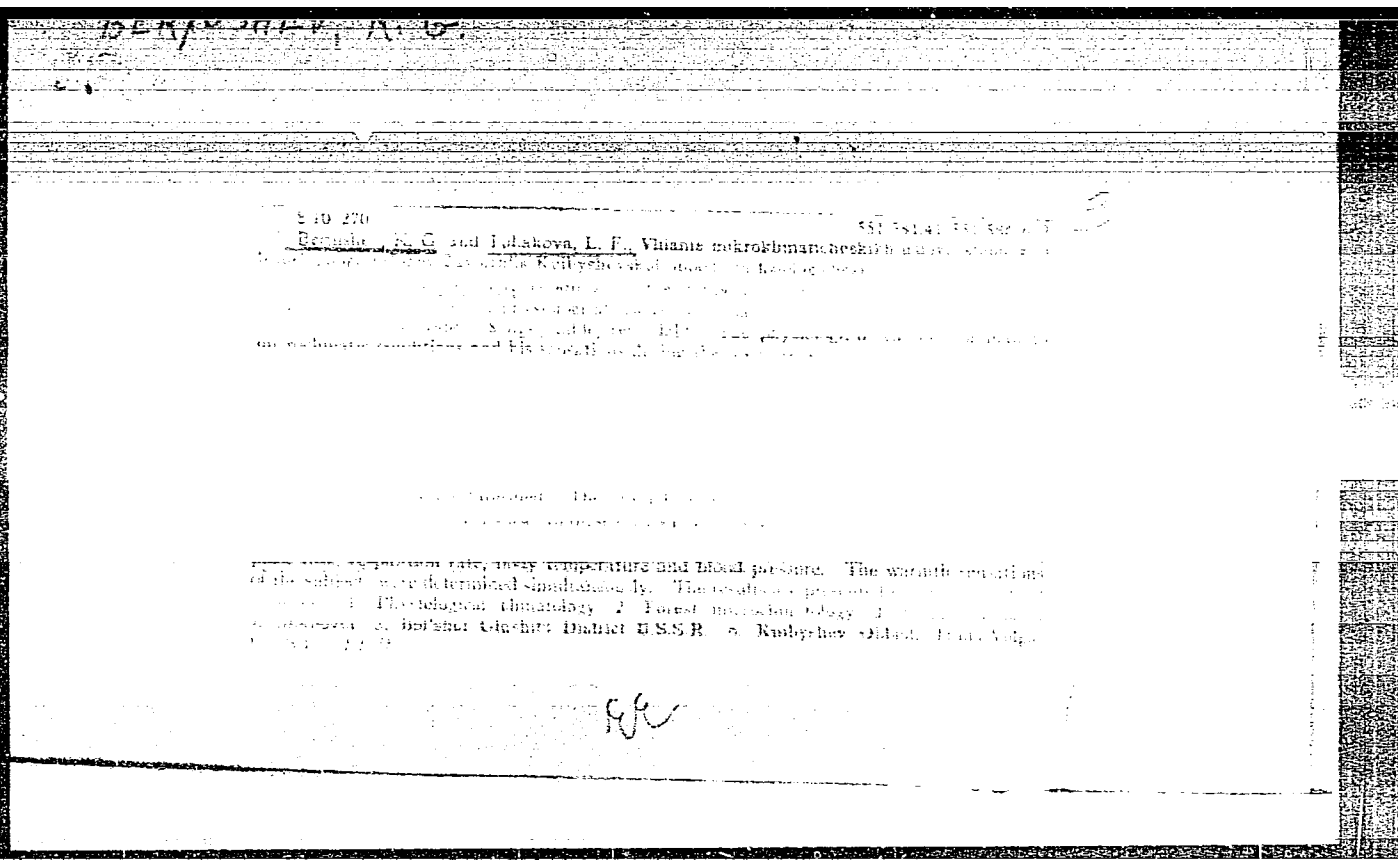
Card 2/2

BERYUSHEV, K.G., dotsent

Maximum permissible phenol concentration in the atmosphere in
populated areas. Pred.dop.kontsent.atmosf.zagr. no.2:81 '55.
(MIRA 10:11)

1. Iz Gosudarstvennogo tsentral'nogo nauchno-issledovatel'skogo
sanitarnogo instituta imeni F.F. Trismana.

(AIR--POLLUTION) (PHENOL)



Резюме
БЕРЯУШЕВ, К.С., dotsent; RUMYANTSEVA, M.V., kand.med.nauk; KARAGODINA,
I.L., nauchnyy sotrudnik

Effect of noise and exhaust gases generated by city traffic on the
hygienic conditions of hospital grounds and buildings [with summary
in English]. Gig. i san. 22 no.5:9-16 My '57. (MIRA 10:10)

1. Iz kafedry kommunal'noy gigiyeny Tsentral'nogo instituta usover-
shenstvovaniya vrachey i Moskovskogo nauchno-issledovatel'skogo
instituta sanitarii i gigiyeny imeni Erismana.

(HOSPITALS,

eff. of city noise & exhaust gases (Rus))

(NOISE, effects,

on hosp. in cities (Rus))

(CASES, effects

exhaust gases on hosp. in cities (Rus))

BERYUSHEV K.G.

BERYUSHEV, K.G., dotsent

Basic stages in the development of research on hygienic aspects in
town planning in the U.S.S.R. Gig. i san. 22 no.10:20-26 0 '57.

(TOWN PLANNING

(MIRA 10:12)

in Russia, progr.)

BERYJSHEV, Konstantin Georgiyevich; NOVIKOV, Yu.V., red.; BUL'DYAYEV,
N.A., tekhn.red.

[Preventive sanitary inspection in planning, building and
providing public services for Soviet cities] Predupreditel'nyi
sanitarnyi nadzor za planirovkoj, zastroikoi i blagoustroistvom
gorodov SSSR. Moskva, Gos.izd-vo med.lit-ry, 1958. 117 p.
(PUBLIC HEALTH) (MIRA 12:2)

BERYUSHEV, K.G., kand.med.nauk

Problems in planning and building cities and in controlling air
pollution in England. Gig. i san. 23 no.7:72-79 J1 '58.
(MIRA 12:1)

(AIR POLLUTION, prev. & control
in Gt.Brit. (Rus))
(TOWN PLANNING
same)

KARAGOLINA, I.L., nauchnyy sotrudnik., BERYUSHEV, K.G., kand.med.nauk
RYNYANTSEVA, M.V., kand.med.nauk

Problems in planning hospital sites [with summary in English].
Gig.i san. 23 no.9:9-18 S '58 (MIRA 11:11)

1. Iz TSentral'nogo instituta usovershenstvovaniya vrachey i
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imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.
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in Residential Sections."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
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(MIRA 12:9)

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bioclimatol. conf. report (Rus))

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same)

BERYUSHEV, K.G.

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(MICROCLIMATOLOGY) (KRATTSER, P.A.)

BERYUSHEV, K.G., dotsent; GALANIN, N.F., prof.; GURVICH, L.S., doktor
med. nauk; NOVIKOV, Yu.V., kand. med. nauk; RYAZANOV, V.A., prof.;
CHERKINSKIY, S.N., prof.; KROTKOV, F.G., prof., otv. red.;
GOROMOSOV, M.S., doktor med. nauk, red.; BUSHTUYEVA, K.A., red.;
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[Manual on communal hygiene] Rukovodstvo po kommunal'noi gigiene.
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Galanin, Cherkinskiy). 2. Deystvitel'nyy chlen Akademii medi-
tsinskikh nauk SSSR (for Krotkov).

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[Preventive sanitary control of the planning, building and improvement of populated areas in the U.S.S.R.] Predupreditel'nyi sanitarnyi nadzor za planirovkoi, zastroikoi i blagoustroistvom naselennykh mest SSSR. Izd.2., perer. i dop. Moskva, Medgiz, 1962. 166 p. (MIRA 15:9)
(CITY PLANNING) (PUBLIC HEALTH)

BERZ, L.A.

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BERZAK, M.A. (Kuybyshev)

Fluorgraphic detection of cardiovascular diseases in a medical-
sanitary department. Sov.med. 25 no.8:135-139 Ag '60. (MIRA 13:9)
(CARDIOVASCULAR SYSTEM—DISEASES) (DIAGNOSIS, RADIOSCOPIC)

BERZAK, M. A. (Kuybyshev)

Group x-ray examinations of the hands of riveters. Gig. truda i
prof. zab. no.12:23-28 '61. (MIRA 14:12)

1. Kuybyshevskiy meditsinskiy institut.

(HAND--RADIOGRAPHY) (VIBRATION--PHYSIOLOGICAL EFFECT)
(RIVETS AND RIVETING--HYGIENIC ASPECTS)

HERZAK, M.A.

Method for the fluorographic examination of the cardiovascular
system in a polyclinic (sanitary department). Vest. rent. 1
rad. 37 no.1:58-60 Ja-F '62. (MIRA 15:3)
(CARDIOVASCULAR SYSTEM--RADIOGRAPHY)

BERZAK, M.A.

Significance of fluorography in the diagnosis of pneumonia in
influenza patients under polyclinical conditions. Sov. med.
27 no.11:113-116 N '63 (MIRA 18:1)

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compound examination of thoracic organs in rural population. Sov.
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Smirnova) Kuybyshevskoy oblasti. Nauchnyy rukovoditel' - prof.
V.V.Zodiyev.

BERZAK, M.A. (Kuybyshev)

Methodology of large-photograph fluorography of the
cardiovascular system. Vest. rent. i rad. 39 no.3:50-
54 My-Je '64. (MIRA 18:11)

BEZAK, R.A.; LEVINSKIY, O.B.

Determination of coal hardness in the Angren deposit.

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(MIRA 18:12)

BERZAKOVSKIY, V.P.

[44]

1. Physicochemical Characteristics of High-Voltage Porcelain Glazes (Fiziko-khimicheskie svoystva glazurei vysokovol'nogo fafora). V. P. BERZAKOVSKIY AND S. K. DUDKOVO. Akademiya Nauk SSSR, Moscow, 1954. 276 pp. Price 12.50 rubles. Reviewed in *Zh. Prikl. Khim.*, 27: 53, 573-75 (1954). The book is based primarily on experimental data accumulated during 1949-1951 in the Silicate Laboratory of the Academy of Sciences; literature data are also utilized widely. Methods of testing glazed surfaces, chemical stability, microstructure and crystallization, modern concepts of viscosity and surface tension, volumetric electrical resistance, and effect of glaze on strength of porcelain are covered.

B.Z.K.

①

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Part 1, p. 1.

60/49732

USSR/Engineering
Filters, Glass

Jan 49

"Preparation of Glass Filters," A. I. Berzel,
G. A. Kruppe, Minsk Auto Factory, $\frac{1}{2}$ p

"Zavod Lab" No 1

Glass filters manufactured by Minsk Auto Factory
were as good as those manufactured by regular
glass filter factories. They were still opera-
tional after many repeated heatings to 3000, and
did not lose more than 0.0008 gram of their weight.
Glass filters were tested for water permeability
and, in all cases, they absorbed drops of water

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USSR/Engineering (Contd)

Jan 49

applied on the filters. Before use, filters must
be treated with a chrome mixture, washed, and dried
thoroughly.

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BERZANESCU, A.

TECHNOLOGY

Periodicals: METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 10, no. 6, June 1956

BERZANESCU, A. Development of the power-equipment production a principle factor in the technical progress of the Rumanian national economy. p. 511

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February 1959, Unclass.

BERZSIK, Arpad, dr., a biológiai tudományok kandidátusa

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Budapest Subway System. Hidrológiai közlöny 40 no.6:516-518
B '60.

1. Eotvos Lorand Tudományegyetem Állattrendszertani Intézete,
Budapest; "Hidrológiai Közlöny" szerkesztő bizottsági tagja.

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"Synthesis of Steroid Hormones," Uspekhi Khim., 19, No. 1, 1950

BERKOVICH, T.M., kand.tekhn.nauk; BLOKH, G.S., kand.tekhn.nauk;
BERZEMISHVILI, G.A., inzh.; LEVICHEVA, M.M., inzh.

Effect of the operating conditions of a sheet-molding machine
on the frost resistance of autoclaved asbestos cement. Trudy
NIIA, bests. no. 13:88-89 '62. (MIRA 15:12)
(Asbestos cement—Thermal properties)

BEREFNEV, A., starshiy mekhanik

Possibilities of saving above the plan. Mer. list. 24
no. 11:16-17 N '64. (MER: 18-8)

1. Ruководitel' byuro ekonomicheskogo analiza parokhoda
"Dzhurma" Dal'nevostochnogo parokhodstva.

CHERNOV, B.: BERENOV, A.

Best wishes for the improvement of the work of the fleet. Mor.
flat 25 no.10.12-13 O 165. (MIRA 18:11)

1. Prezident' gruppy ekonomicheskogo analiza parakhoda
"Baburma" (for Chernov). 2. Starshiy mekhanik i chlen gruppy
ekonomicheskogo analiza parakhoda "Baburma" (for Berenov).

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